

Fig.1

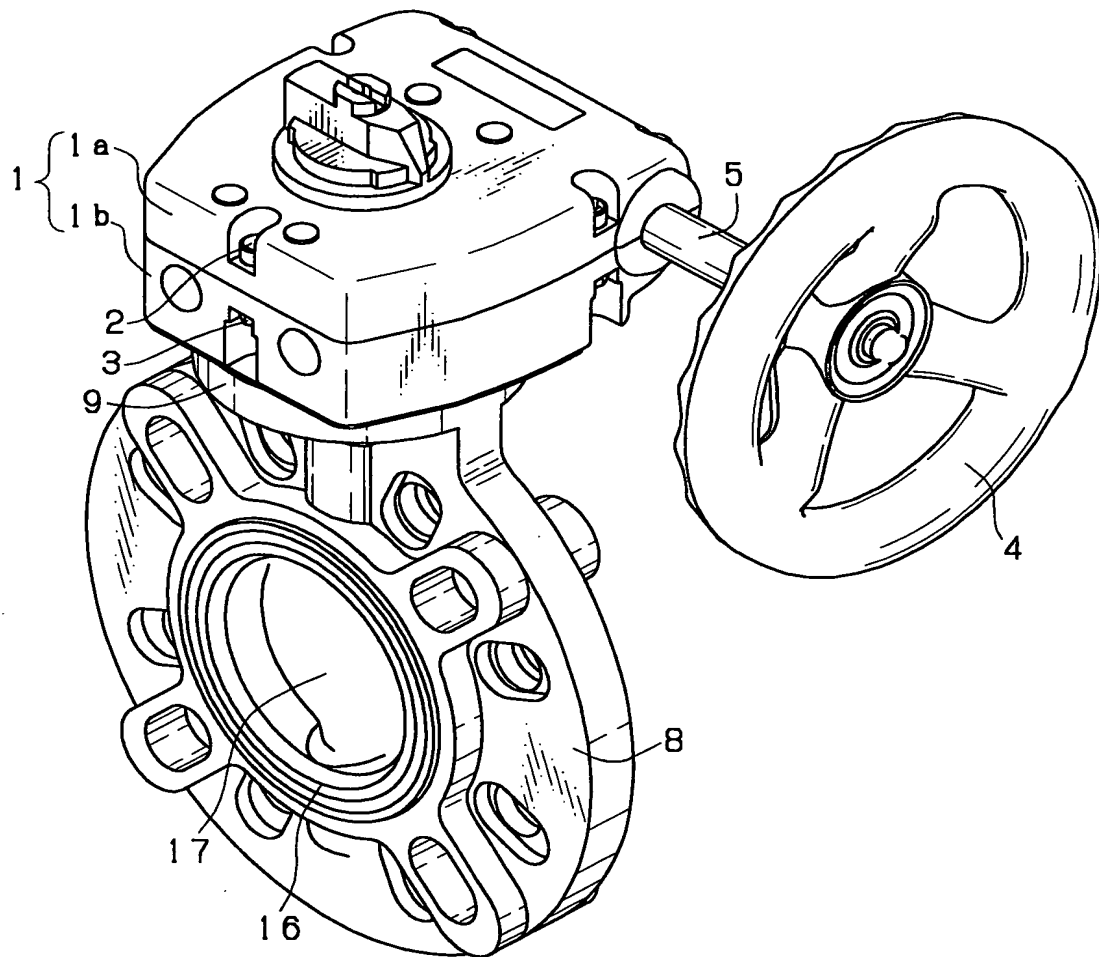


Fig.2

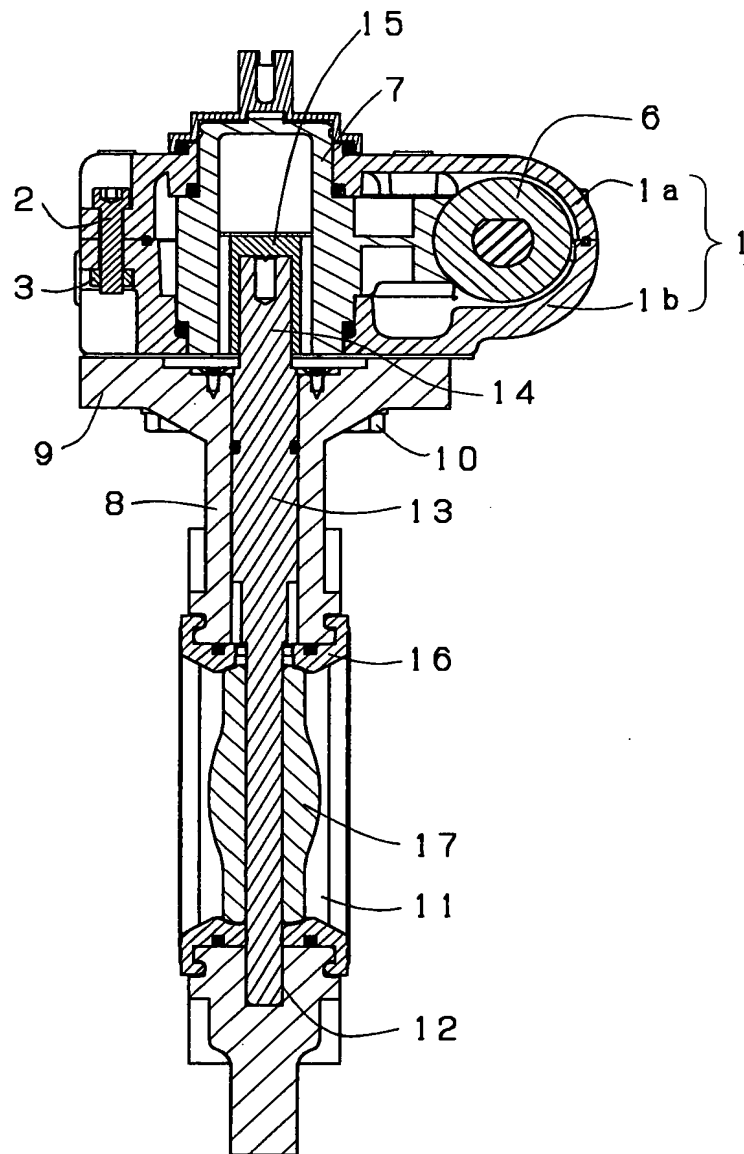


Fig.3

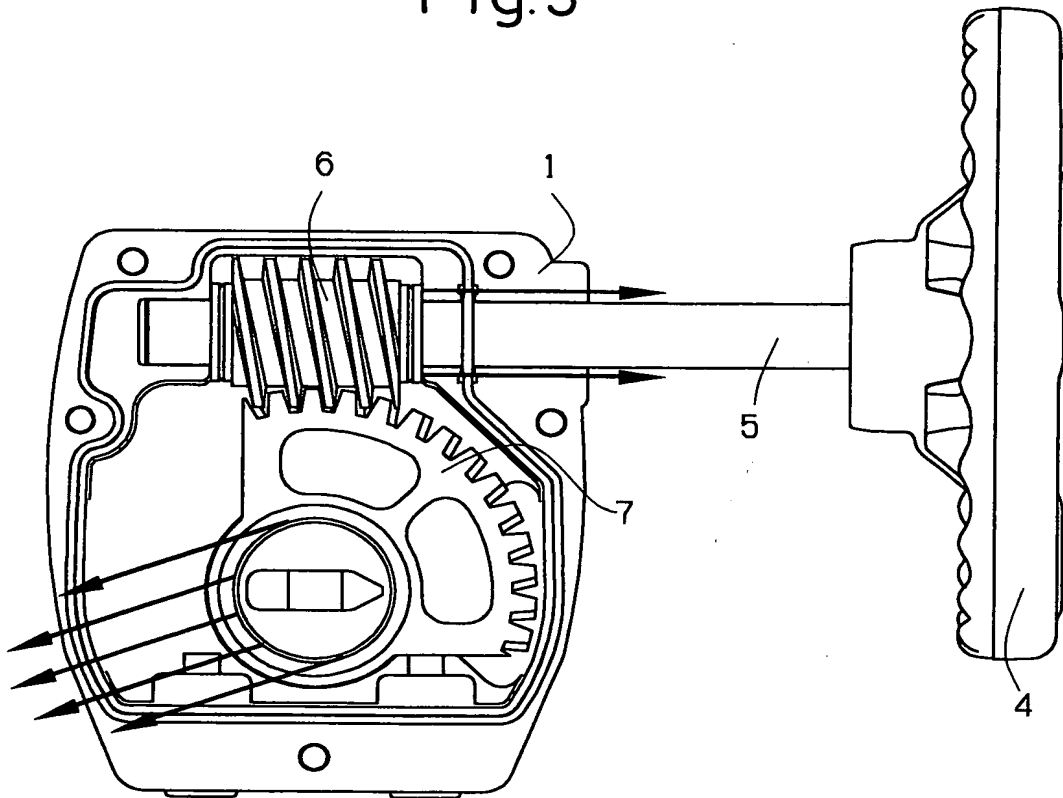


Fig.4

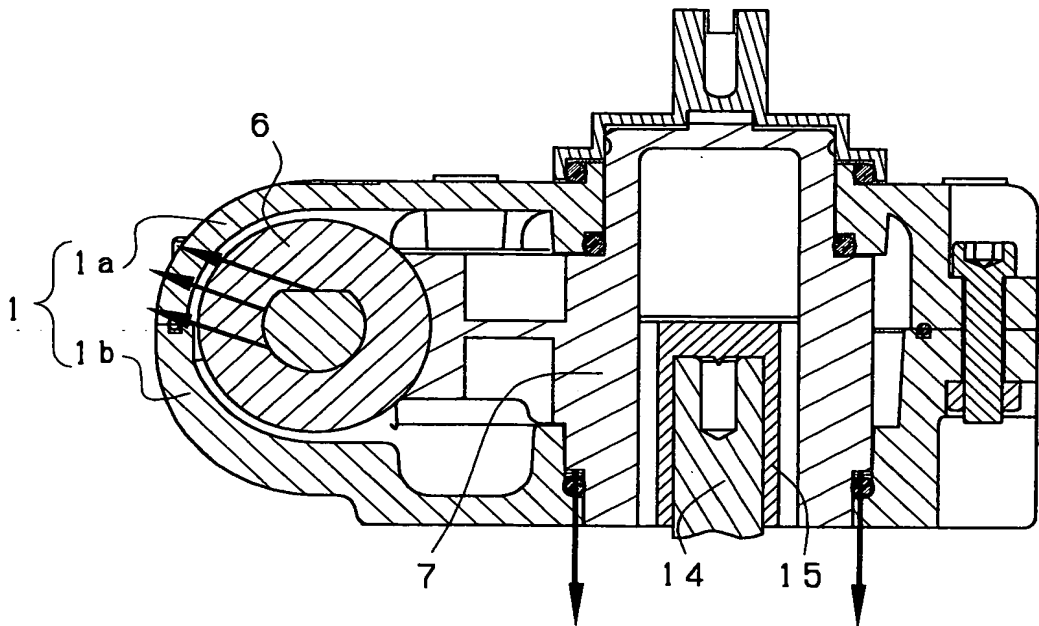


Fig.5

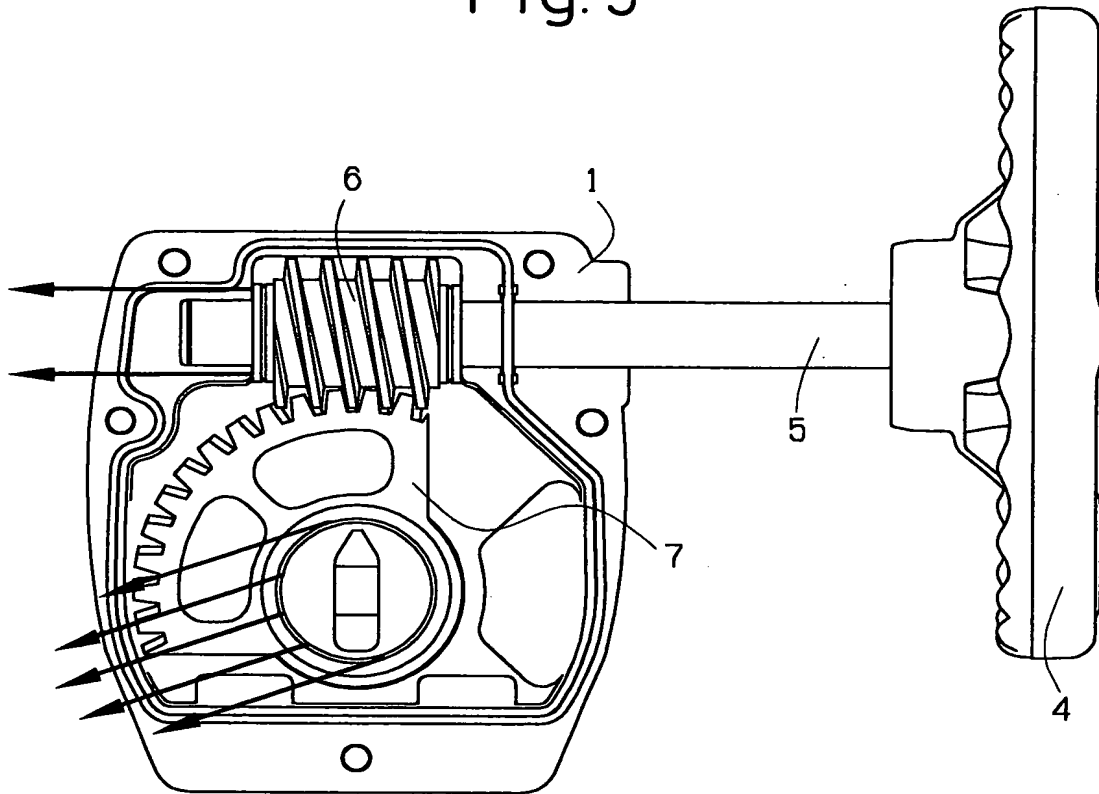


Fig.6

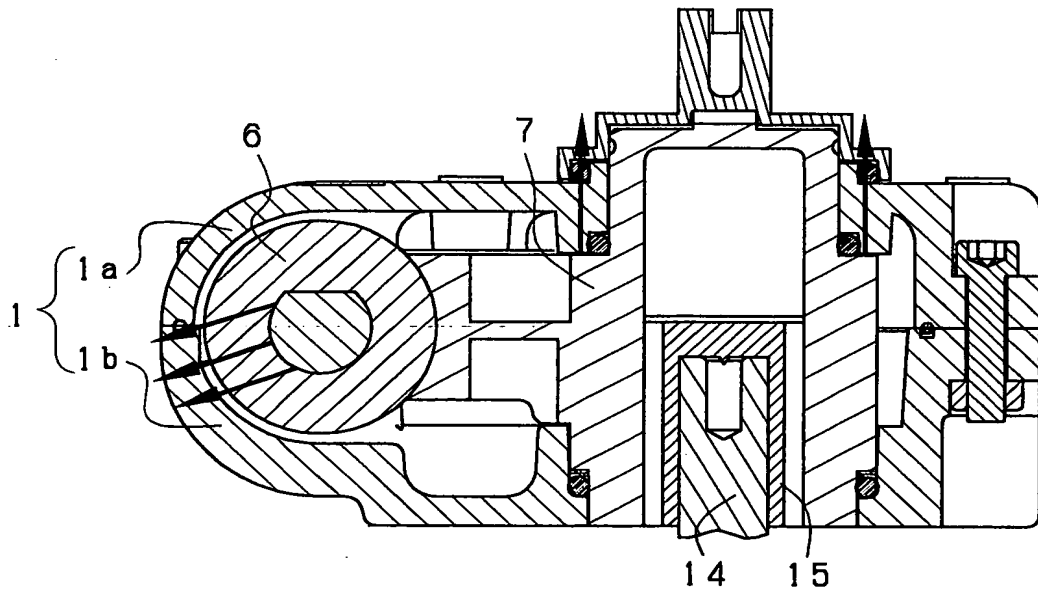


Fig.7

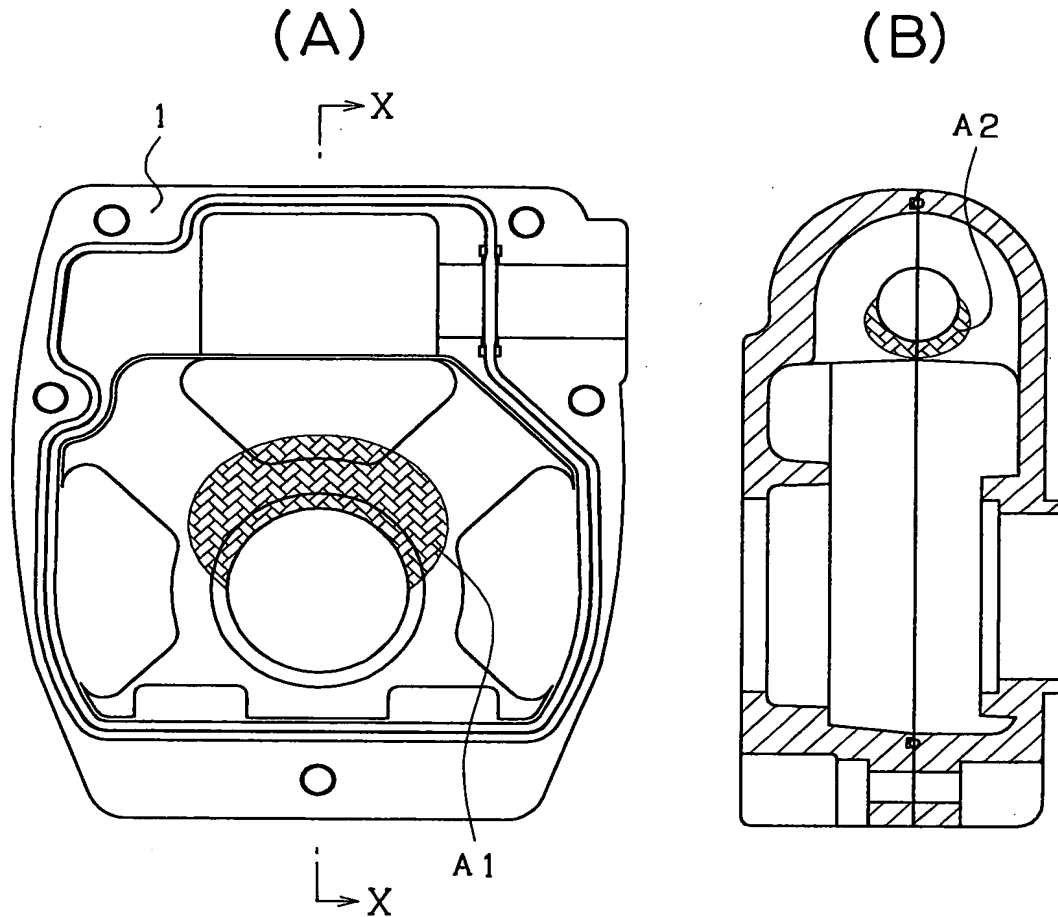


Fig. 8

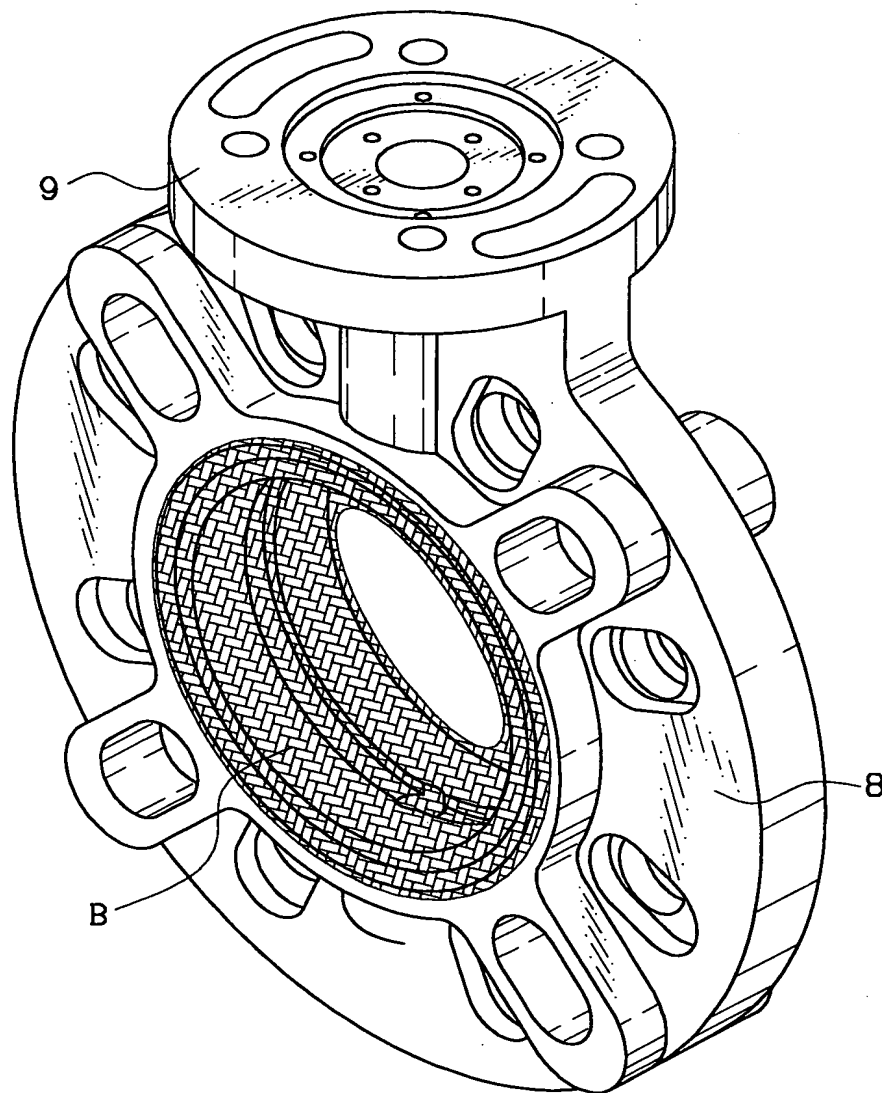


Fig. 9

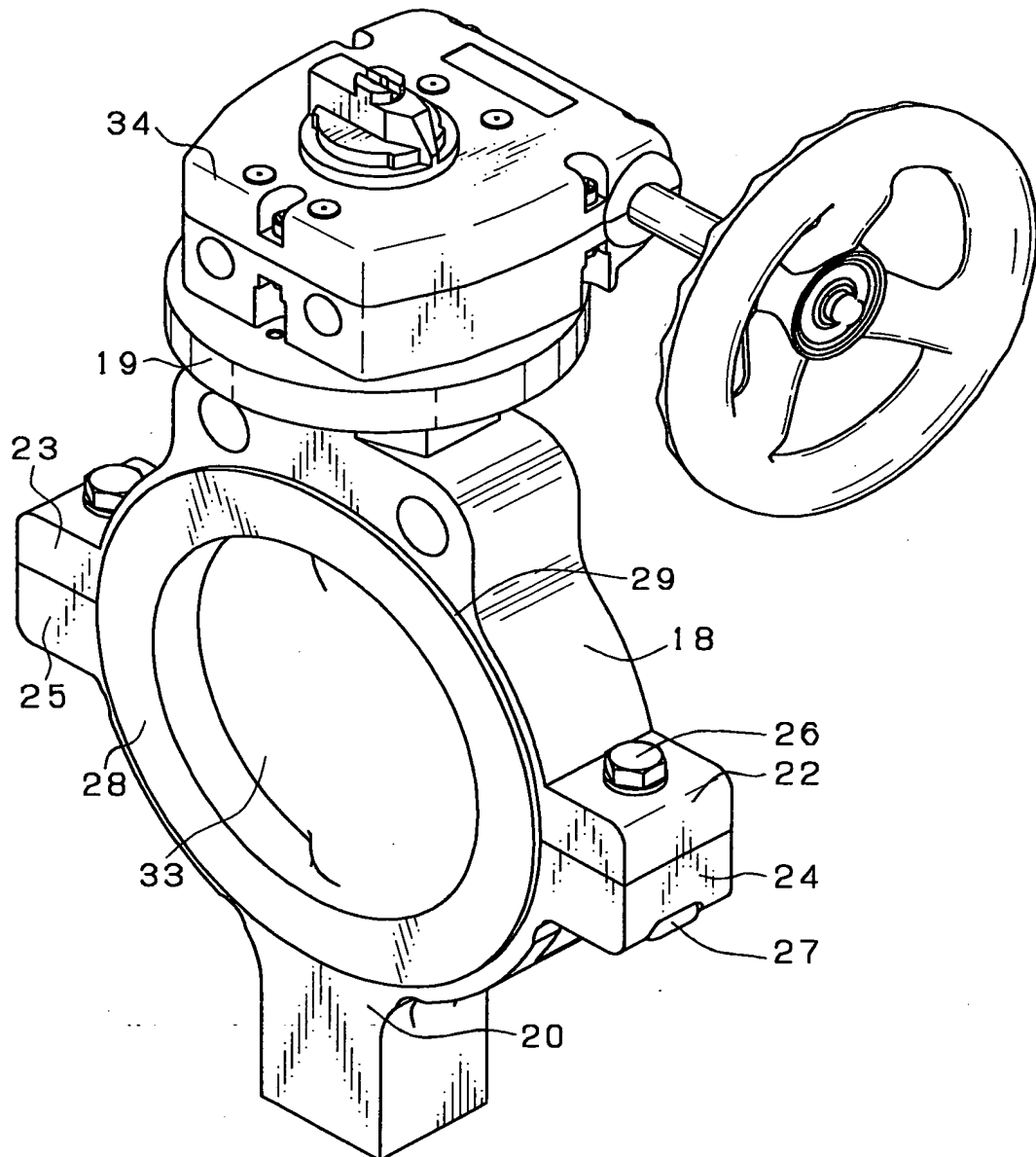


Fig.10

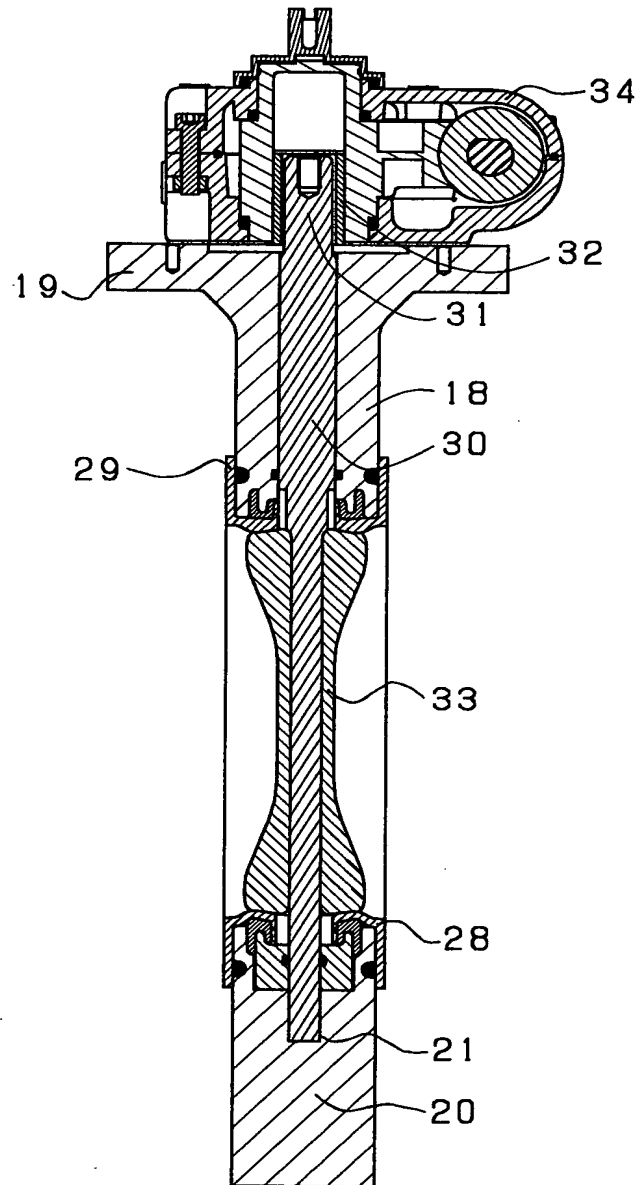
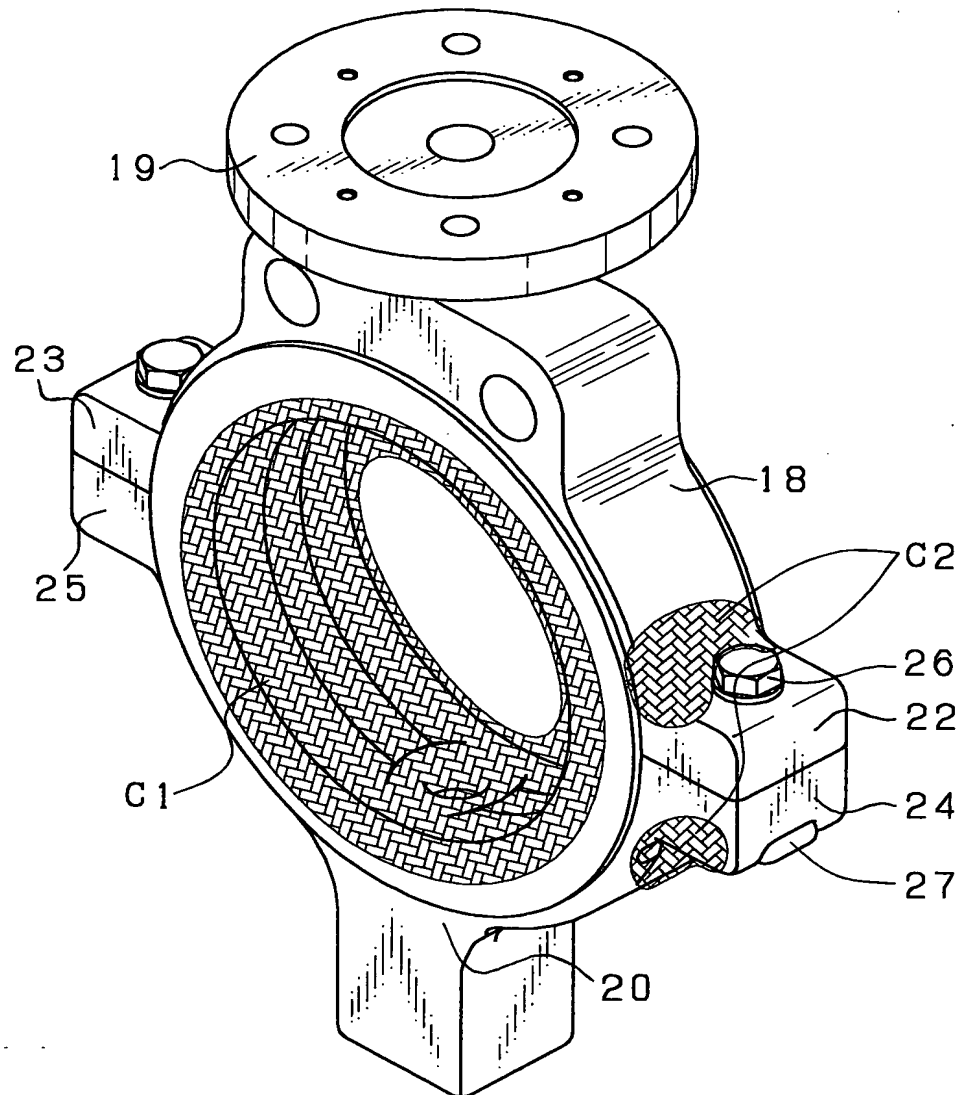


Fig.11



Explanation of Letters or Numerals

- 1 Casing
- 2 Bolt
- 3 Nut
- 4 Handle
- 5 Shaft
- 6 Worm
- 7 Worm wheel
- 8 Valve body
- 9 Top flange
- 10 Bolt
- 11 Flow passage
- 12 Bearing recess
- 13 Stem
- 14 Reduced diameter section
- 15 Stem bush
- 16 Seat ring
- 17 Valve disc
- 18 Upper valve body
- 19 Top flange
- 20 Lower valve body
- 21 Bearing recess
- 22 Protrusion
- 23 Protrusion
- 24 Protrusion
- 25 Protrusion
- 26 Bolt

27 Nut
28 Seat ring
29 Collar
30 Stem
31 Reduced diameter section
32 Stem bush
33 Valve disc
34 Casing
A1, A2, B, C1, C2 Stress concentration region